

AMENDMENTS TO THE CLAIMS

PLEASE AMEND THE CLAIMS AS INDICATED BELOW.

1-31. (CANCELLED)

32. (Currently Amended) An apparatus for anchoring a tool in a wellbore, comprising:

a housing connected to a perforating gun;

a slip plurality of slips disposed in said housing, said slip slips moving radially outward to engage a wellbore wall when actuated by a motor, said perforating gun being thereby anchored in the wellbore adapted to move radially between a retracted position and an extended position;

an electric motor coupled to said slip, said motor moving said slip between said retracted position and said extended position when energized; and

a mechanical release associated with said slips for retracting said slips to thereby disengage said slips from the wellbore wall. a control circuit operably coupled to said motor, said control circuit being configured to change a direction of rotation of said motor by selectively changing the polarity of current supplied to said motor, wherein said motor is energized only when said control circuit receives current having a first polarity; and further comprising a perforating gun connected to said housing, said perforating gun firing upon receiving electrical current having a second polarity different from said first polarity.

33. (Currently Amended) The apparatus of claim 32 wherein a said control circuit disconnects electrical power from de-energizes said motor when said slip moves to one of a said retracted position and said an extended position.

34. (Currently Amended) The apparatus of claim 32 wherein said electric motor receives electrical power from one of (i) a wireline from a surface source, and (ii) a downhole power source.

35. (Cancelled)

36. (Currently Amended) The apparatus of claim 32 wherein the direction of

rotation of said motor is controlled by cycling electrical power to said a control circuit.

37. (Currently Amended) The apparatus of claim 32 wherein said ~~slip is~~ slips are biased toward said retracted position.

38. (Cancelled)

39. (Currently Amended) The apparatus of claim ~~32~~ 38 wherein said mechanical release selectively engages a slip guide configured to move said ~~slip between said retracted position and said extended position from an extended position to a retracted position.~~

40. (Previously Presented) An apparatus for anchoring a tool in a wellbore, comprising:

 a housing;

 a slip disposed in said housing, said slip adapted to move radially between a retracted position and an extended position;

 an electric motor coupled to said slip, said motor moving said slip between said retracted position and said extended position when energized;

 a control circuit operably coupled to said motor, said control circuit being configured to change a direction of rotation of said motor by selectively changing the polarity of current supplied to said motor, and

 a mechanical release associated with said slip, said mechanical release configured to move said slip from said extended position to said retracted position, wherein said mechanical release is activated by changing the tension on a wireline connected to said housing.

41. (Currently Amended) An apparatus for anchoring a tool in a wellbore, comprising:

 a housing;

 a slip disposed in said housing, said slip adapted to move radially between a retracted position and an extended position;

an electric motor coupled to said slip, said motor moving said slip between said retracted position and said extended position when energized;

a mechanical release for retracting said slip from said extended position to said retracted position; and

a wiring assembly disposed in said housing and coupled to a firing head of a perforating gun, said wiring assembly electrically coupling the tool to a power supply.

42. (Previously Presented) The apparatus of claim 41 wherein said power supply is located at one of (i) a surface location, and (ii) a downhole location.

43. (Previously Presented) The apparatus of claim 41 wherein said wiring assembly includes a coiled wire for allowing axial movement of the apparatus.

44. (Cancelled)

45. (Previously Presented) The apparatus of claim 41 wherein said wiring assembly is in electrical communication with a control circuit associated with said motor.

46. (Currently Amended) A method for anchoring a tool in a wellbore, comprising:

disposing a slip on a housing, the slip being adapted to move radially between a retracted position and an extended position;

coupling an electric motor to the slip;

moving the slip between the retracted position and the extended position by energizing the motor; [and]

controlling the direction of rotation of the motor with a control circuit, the circuit being configured to selectively change the polarity of the current supplied to the motor;

connecting a perforating gun to the housing;

energizing the motor only when supplying to the control circuit a current having a first polarity; and

firing the perforating gun by supplying an electrical current having a second polarity different from the first polarity.

wherein the control circuit cuts current to the motor when the slip moves to one of the retracted position and the extended position.

47. (Previously Presented) The method of claim 46 wherein the control circuit is configured to selectively change the polarity of current supplied to the motor.

48. (Cancelled)

49. (Cancelled)

50. (Previously Presented) A method for anchoring a tool in a wellbore, comprising:

disposing a slip on a housing, the slip being adapted to move radially between a retracted position and an extended position;

coupling an electric motor to the slip;

moving the slip between the retracted position and the extended position by energizing the motor; and

controlling the direction of rotation of the motor with a control circuit, the circuit being configured to selectively change the polarity of the current supplied to the motor, wherein the control circuit is configured to detect an over current caused by the motor.

51. (Previously Presented) The method of claim 46 further comprising changing the direction of rotation of the motor by cycling the supply of electrical power to the control circuit.

52. (Currently Amended) A method for anchoring a tool in a wellbore, comprising:

providing a plurality of slips on the tool;

extending the slips radially outward into engagement with a wellbore wall using a motor;

energizing the tool while the tool is anchored in the wellbore; and

~~The method of claim 46 further comprising mechanically retracting the slip slips from the an extended position to a the retracted position whereby the slips disengage from the wellbore wall.~~

53. (Previously Presented) The method of claim 52 further comprising biasing the slip toward the retracted position.

54. (Currently Amended) A method for anchoring a tool in a wellbore, comprising:

- disposing a slip on a housing, the slip being adapted to move radially between a retracted position and an extended position;
- coupling an electric motor to the slip;
- moving the slip between the retracted position and the extended position by energizing the motor;
- controlling the direction of rotation of the motor with a control circuit, the circuit being configured to selectively change the polarity of the current supplied to the motor; and
- changing the tension on a wireline connected to the housing to activate a mechanical release that retracts the slip.

55. (Currently Amended) The method of claim 46 further comprising electrically coupling the tool to a power supply with a wiring assembly associated with the housing.

56. (Cancelled)